



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	3	Attorney Docket No.	P133-US
-------	---	----	---	---------------------	---------

*Complete If Known*

Application Number	10/001,437
Filing Date	October 31, 2001
First Named Inventor	Eldridge et al.
Group Art Unit	2833
Examiner Name	Not known

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>2</sup>			
AL	1	3849872		Hubacher	11/26/1974	
	2	4032058		Riseman	6/28/1977	
	3	4137867		Aigo	2/6/1979	
	4	4281449		Ports et al.	8/4/1981	
	5	4486945		Aigoo	12/11/1984	
	6	4732313		Kobayashi et al.	3/22/1988	
	7	4751199		Phy	6/14/1988	
	8	5070297		Kwon et al.	12/3/1991	
	9	5185502		Shepherd et al.	2/9/1993	
	10	5195237		Cray et al.	3/23/1993	
	11	5210939		Mallik et al.	5/18/1993	
	12	5323035		Leedy	6/21/1994	
	13	5391521		Kim	2/21/1995	
	14	5442282		Rostoker et al.	8/15/1995	
	15	5495667		Farnworth et al.	3/5/1996	
	16	5513430		Yanof et al.	5/7/1996	
	17	5648661		Rostoker et al.	7/15/1997	
	18	5666190		Quate et al.	9/9/1997	
	19	5677566		King et al.	10/14/1997	
	20	5701666		DeHaven et al.	12/30/1997	
	21	5723894		Ueno et al.	3/3/1998	
	22	5764486		Pendse	6/9/1998	
	23	5786270		Gorrell et al.	7/28/1998	
	24	5820014		Dozier, II et al.	10/13/1998	
AL	25	5828226		Higgins et al.	10/27/1998	

Examiner Signature		Date Considered	02/10/03
--------------------	--	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

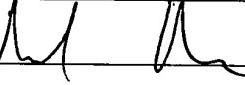
(use as many sheets as necessary)

Sheet 2 of 3

<i>Complete If Known</i>	
Application Number	10/001,437
Filing Date	October 31, 2001
First Named Inventor	Eldridge et al.
Group Art Unit	2833
Examiner Name	Not known
Attorney Docket No.	P133-US

**U.S. PATENT DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant	Publication Date	Relevant Portions
		Number	Kind Code <sup>2</sup>			
AJ	26	5829128		Eldridge et al.	11/3/1998	
	27	5847445		Wark et al.	12/8/1998	
	28	6002266		Briggs et al.	12/14/1999	
	29	6023103		Chang et al.	2/8/2000	
	30	6031282		Jones et al.	2/29/2000	
	31	6053395		Sasaki	4/25/2000	
	32	6064213		Khandros et al.	5/16/2000	
	33	6080596		Vindasius et al.	6/27/2000	
	34	6117694		Smith et al.	9/12/2000	
	35	6174744	B1	Watanabe et al.	1/16/2001	
	36	6184576	B1	Jones et al.	2/6/2001	
NJR	37	6255126	B1	Mathieu et al.	7/3/2001	
NJR	38	6336269	B1	Eldridge et al.	1/8/2002	

Examiner Signature		Date Considered	02/10/03
--------------------	--	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.





Substitute for form 1449A/PTO				<i>Complete If Known</i>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/001,437	
Sheet	3	of	3	Filing Date	October 31, 2001	
				First Named Inventor	Eldridge et al.	
				Group Art Unit	2833	
				Examiner Name	Not known	
				Attorney Docket No.	P133-US	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant	Publication Date
		Office <sup>2</sup>	Number <sup>3</sup>	Kind Code <sup>5</sup>		Relevant Portions
AN	39	JP	147090		w/ English abstract	2/21/1989
	40	JP	2034949		English abstract only	2/5/1990
	41	JP	3142847		w/ English abstract	6/18/1991
	42	JP	6018555		w/ English abstract	1/25/1994
	43	JP	7333232		w/ English abstract	12/22/1995
	44	JP	8306708		w/ English abstract	11/22/1996
	45	WO	00/03569			1/20/2000
NR	46	WO	00/33096			6/8/2000

OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published				T <sup>2</sup>
AN	47	GOLDSTEIN, "Packages Go Vertical," IEEE Spectrum, pp. 46-51 (Aug. 2001)				
AN	48	BRACKEN et al., "Assembly and Packaging," Handbook of Semiconductor Manufacturing, pp. 999-1025 (New York 2000)				
AN	49	"Method of Testing Chips and Joining Chips to Substrates," 2244 Research Disclosure, No. 322 (Emsworth, Great Britain February 1991)				

Examiner Signature		Date Considered	02/10/03
--------------------	--	-----------------	----------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.